

IN THE CLAIMS:

Please amend claims 1-7 as follows:

1. (Amended) A synchronization method for a reception unit, said method comprising:
transmitting synchronization signals from a transmission unit to at least one reception unit;
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supplying said synchronization signals from said at least one reception unit to a first clock transmitter, said first clock transmitter outputting a stable number of clock signals between two of said synchronization signals; and
driving a second clock transmitter using said stable clock signals, said second clock transmitter generating a second clock signal which is continuously present, even when said stable clock signals are absent, wherein a phase difference arising between said first clock transmitter and said second clock transmitter is compensated for by influencing a period duration of said second clock transmitter.

2. (Amended) The method of claim 1, wherein only slight changes in said period duration of said second clock transmitter are made such that said phase difference is continuously reduced within a prescribed time period until said stable clock signals and said second clock signal are synchronous with one another.

3. (Amended) The method of claim 1 or 2, wherein said period duration of said second clock transmitter is influenced such that a shorter interval between phases of said stable clock signals and said second clock signal are reduced.

4. (Amended) The method of claim 1 or 2, wherein said second clock transmitter is driven with a prescribed standard period duration in the event said first stable clock signals are absent.

5. (Amended) The method of claims 1 or 2, wherein said at least one reception unit supplies said synchronization signals to said first clock transmitter via a phase regulator in a phase locked loop.

6. (Amended) The method of claim 9, wherein corrections in said period duration of said first clock transmitter, which are ascertained by said phase regulator from clock pulse to clock pulse, are taken into account both in said stable clock signal and in said second clock signal.

7. (Amended) A reception unit for synchronizing signals, said reception unit comprising:
a first clock transmitter, said first clock transmitter outputting a stable number of clock signals between two of synchronization signals received from a transmission unit; and
a second clock transmitter, said second clock transmitter using said stable clock signals, said second clock transmitter generating a second clock signal which is continuously present, even when said stable clock signals are absent, wherein a phase difference arising between said

first clock transmitter and said second clock transmitter is compensated for by influencing a period duration of said second clock transmitter.

Please add new claims 8 and 9 as follows:

8. (New) The method of claim 5, wherein said phase regulator, upon receiving said synchronization signals, ascertains instantaneous phase errors and readjusts said first clock transmitter such that said first clock transmitter outputs a nominal number of clock signals between two synchronization signals.

9. (New) The method of claim 6, wherein fluctuations in said period duration of said first clock transmitter, which are corrected by said phase regulator, are mapped onto said second clock transmitter.

A "Version With Marked Changes Made" is submitted herewith.